Satoko Nakamura

List of Publications by Year
in descending order

36	678	516561 16	580701 25
papers	citations	h-index	g-index

42	42	42	724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fine structure of plasmaspheric hiss. Journal of Geophysical Research: Space Physics, 2014, 119, 9134-9149.	0.8	74
2	Dissecting the Nanoscale Distributions and Functions of Microtubule-End-Binding Proteins EB1 and ch-TOG in Interphase HeLa Cells. PLoS ONE, 2012, 7, e51442.	1.1	57
3	Nonlinear wave growth theory of coherent hiss emissions in the plasmasphere. Journal of Geophysical Research: Space Physics, 2015, 120, 7642-7657.	0.8	52
4	Electromagnetic ion cyclotron rising tone emissions observed by THEMIS probes outside the plasmapause. Journal of Geophysical Research: Space Physics, 2014, 119, 1874-1886.	0.8	47
5	Penetration of MeV electrons into the mesosphere accompanying pulsating aurorae. Scientific Reports, 2021, 11, 13724.	1.6	37
6	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. Science, 2018, 361, 1000-1003.	6.0	36
7	Subpacket structures in EMIC rising tone emissions observed by the THEMIS probes. Journal of Geophysical Research: Space Physics, 2015, 120, 7318-7330.	0.8	35
8	The Characteristics of EMIC Waves in the Magnetosphere Based on the Van Allen Probes and Arase Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029001.	0.8	35
9	A statistical study of EMIC rising and falling tone emissions observed by THEMIS. Journal of Geophysical Research: Space Physics, 2016, 121, 8374-8391.	0.8	29
10	Time Domain Simulation of Geomagnetically Induced Current (GIC) Flowing in 500â€kV Power Grid in Japan Including a Threeâ€Dimensional Ground Inhomogeneity. Space Weather, 2018, 16, 1946-1959.	1.3	27
11	Rapid Precipitation of Relativistic Electron by EMIC Risingâ€Tone Emissions Observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2019, 124, 6701-6714.	0.8	27
12	Observational evidence of the nonlinear wave growth theory of plasmaspheric hiss. Geophysical Research Letters, 2016, 43, 10,040.	1.5	26
13	Measurement of geomagnetically induced current (GIC) around Tokyo, Japan. Earth, Planets and Space, 2021, 73, .	0.9	22
14	Fine Structure of Whistler Mode Hiss in Plasmaspheric Plumes Observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2018, 123, 9055-9064.	0.8	20
15	Ion hole formation and nonlinear generation of electromagnetic ion cyclotron waves: THEMIS observations. Geophysical Research Letters, 2017, 44, 8730-8738.	1.5	18
16	Role of Ducting in Relativistic Electron Loss by Whistlerâ€Mode Wave Scattering. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029851.	0.8	17
17	Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029091.	0.8	13
18	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027488.	0.8	12

#	Article	IF	Citations
19	PSTEP: project for solarâ€“terrestrial environment prediction. Earth, Planets and Space, 2021, 73, .	0.9	10
20	Collaborative Research Activities of the Arase and Van Allen Probes. Space Science Reviews, 2022, 218, .	3.7	10
21	Full Particle Simulation of Whistlerâ€Mode Triggered Fallingâ€Tone Emissions in the Magnetosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027953.	0.8	8
22	Multiâ€Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Nonâ€Stormâ€Time Substorms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029081.	0.8	7
23	Isolated Proton Aurora Driven by EMIC Pc1 Wave: PWING, Swarm, and NOAA POES Multiâ€Instrument Observations. Geophysical Research Letters, 2021, 48, e2021GL095090.	1.5	7
24	Multipoint Measurement of Fineâ€Structured EMIC Waves by Arase, Van Allen Probe A and Ground Stations. Geophysical Research Letters, 2021, 48, e2021GL096488.	1.5	7
25	Active auroral arc powered by accelerated electrons from very high altitudes. Scientific Reports, 2021, 11, 1610.	1.6	6
26	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultraâ€Low Frequency Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028912.	0.8	6
27	Dataâ€Driven Simulation of Rapid Flux Enhancement of Energetic Electrons With an Upperâ€Band Whistler Burst. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028979.	0.8	6
28	A Statistical Study of the Solar Wind Dependence of Multiâ€Harmonic Toroidal ULF Waves Observed by the Arase Satellite. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
29	Statistical Study of Approaching Strong Diffusion of Lowâ€Energy Electrons by Chorus and ECH Waves Based on In Situ Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	4
30	First Simultaneous Observation of a Night Time Mediumâ€Scale Traveling Ionospheric Disturbance From the Ground and a Magnetospheric Satellite. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029086.	0.8	3
31	Simultaneous Observations of EMICâ€Induced Drifting Electron Holes (EDEHs) in the Earth's Radiation Belt by the Arase Satellite, Van Allen Probes, and THEMIS. Geophysical Research Letters, 2022, 49, .	1.5	3
32	ISEE_Wave: interactive plasma wave analysis tool. Earth, Planets and Space, 2021, 73, .	0.9	2
33	Relative Contribution of ULF Waves and Whistlerâ€mode Chorus to the Radiation Belt Variation during the May 2017 Storm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028972.	0.8	1
34	Offâ€Equatorial Pi2 Pulsations Inside and Outside the Plasmapause Observed by the Arase Satellite. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
35	Statistical Survey of Arase Satellite Data Sets in Conjunction With the Finnish Riometer Network. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
36	Signatures of Auroral Potential Structure Extending Through the Nearâ€Equatorial Inner Magnetosphere. Geophysical Research Letters, 2022, 49, .	1.5	1